800Z NXT2

Compact Excavator

Serial Numbers 00901 and Up

OPERATOR'S MANUAL

PART #50940324

Revision B - 07/18

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Mustang 800Z NXT2 Compact Excavator Operator Manual

Document type: Operator Manual (operation, controls, safety and routine maintenance)

Brand: Mustang

Models: 800Z NXT2

Machine: Compact Excavator

Publication No.: 50940324 (Rev. B)

Edition date: July 2018

Serial numbers: Serial Numbers 00901 and Up

Language: English

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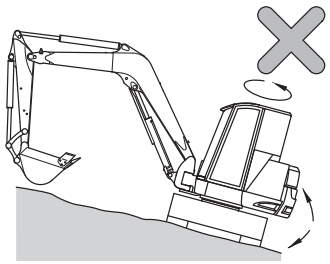
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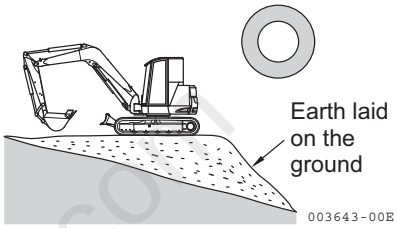
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Sample pages follow. Full manual: machinecatalogic.com

Working on a slope

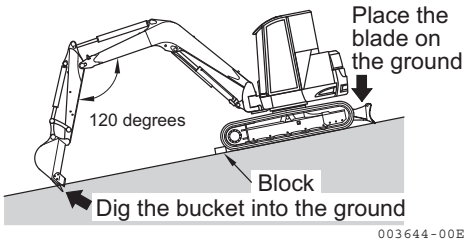
- Be aware that the machine may tip over when swinging the upperstructure or swinging the implement on a slope.
- Never swing the upperstructure toward the downward side of the slope with earth loaded in the bucket.
  (See the illustration at upper right.)
- If swinging is unavoidable, level off a work area to maintain the machine as horizontal as possible, then swing.
  (See the illustration at lower right.)
  For leveling off a work area, refer to Section "3.11 Precautions for going up and down a slope" on page 175.

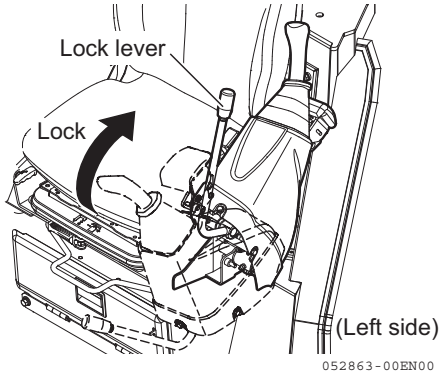




Parking the machine

- Park on level ground. If parking on a slope is unavoidable, block the tracks with solid pieces of wood and dig the bucket into the ground. (See the illustration at right.)
- If necessary to park the machine on the side of a road, set up a warning flag, fence, or lamp that can be easily recognized by passing cars and pedestrians but does not impede them.
  For parking procedures, refer to Section "3.14 Parking the machine" on page 180.
- When leaving the operator's seat, do the following:
  (1) Be sure to place the bucket on the ground.
  (2) Set the lock lever to the lock position.
  (3) Stop the engine.
  (4) Set all the locks to the lock position.
  (5) Be sure to take the starter switch key out of the starter switch.
  For information about parking procedures, refer to Section "3.14 Parking the machine" on page 180.
  For information about the parts to be locked, refer to Section "3.18 Locking" on page 183.

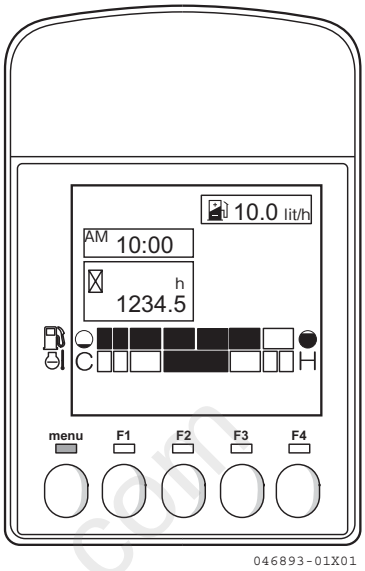




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LCD Monitor Operation Method

When the starter switch is in the “ON” position, the LCD monitor can be operated using the function switches in the bottom part of the monitor.
The switches are available when the LED lamps located just above the individual switches are illuminated green.



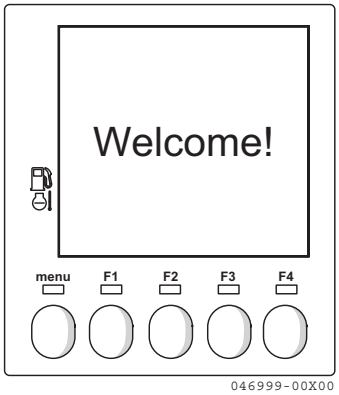
Menu switch: Used to display the main menu screen.
F1 - F4 switches: The functions of the individual switches change depending on the screen currently displayed and currently available functions are displayed with their corresponding icons in the function switch guidance part of the LCD screen just above the switches.
Icons used for function switch guidance serve as follows:

⮌	Goes back to the previous screen
◀	Moves to the item left of the one currently selected
▶	Moves to the item right of the one currently selected
▲	Moves to the item above the one currently selected
▼	Moves to the item below of the one currently selected
↵	Selects an item or complete a setting
⊞	Increases the selected value by one
(R)	Resets the selected value
ⓘ	Displays details of information such as maintenance notices

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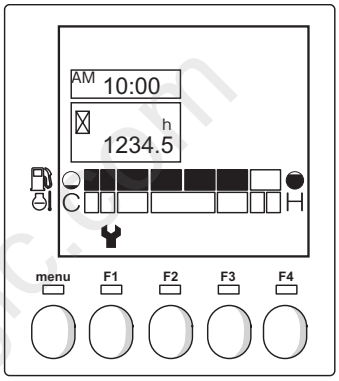
■ Operations of the LCD monitor with the starter switch in the “OFF” position

Even when the starter switch is in the “OFF” position, pressing and holding the menu switch allows checking of the hour meter and maintenance time.
Holding the menu switch down will display the Start screen for 2 seconds and then the hour meter.



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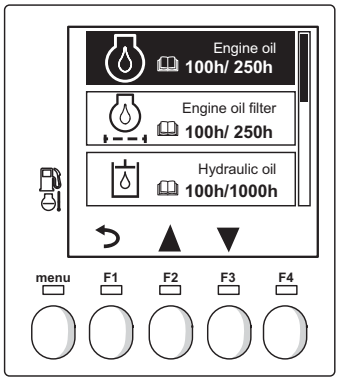
This screen allows checking of the hours of operation on the hour meter without starting the engine.



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Pressing the F1 switch [🔧] while holding the menu switch down will display a screen showing the maintenance time.
Select the desired maintenance item with the F2 switch ▲ or F3 switch ▼ .
Pressing the F1 switch ⮌ will display the screen showing the hour meter.

When releasing the menu switch, the screen will disappear.



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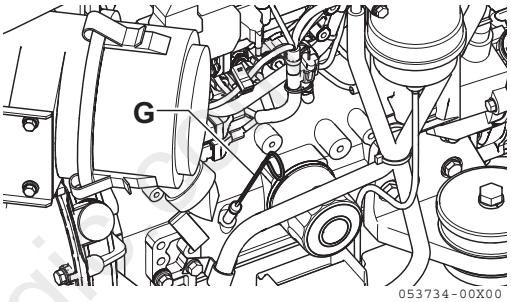
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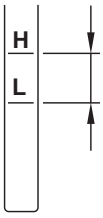
■ Checking and replenishing the engine oil

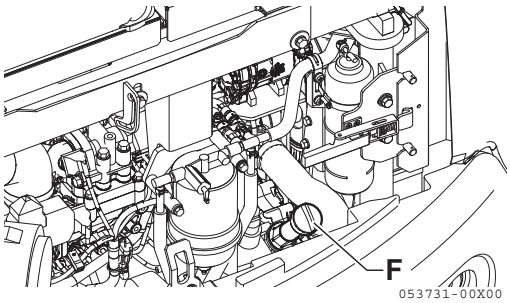
⚠ WARNING

- **At operating temperature, oil and dipstick areas are hot.**
  Do not allow hot oil or hot components to contact the skin, to prevent bodily injury.
- **Check oil level and replenish oil after engine has cooled down.**

1. Open the engine hood and securely lock it in that position with the stopper rod.
2. Pick up the dipstick **G** and wipe it with a rag to remove oil deposits.
3. Fully insert the dipstick **G** into the dipstick tube, then draw it out.
4. If the dipstick **G** is wet above the midpoint between the H and L marks, the engine oil level is appropriate. If the oil level is below the midpoint between the H and L marks, add engine oil through the oil supply port **F**. For the quality of the engine oil to be used, refer to Section "4. Fueling, Oiling and Greasing Based on Temperature Range" on page 259.
5. If the engine oil level is above the H mark, remove the excessive amount of oil through the drain plug **P**, then recheck the engine oil level.
6. After verifying that the amount of engine oil is appropriate, securely retighten the oil supply port cap and close the engine hood.





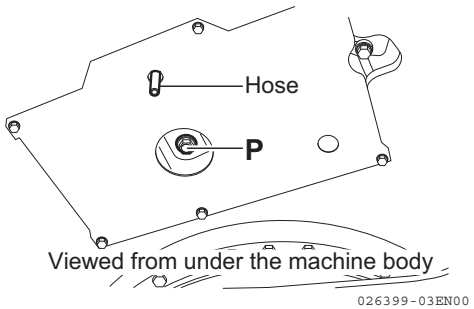


Note :

When checking the engine oil level after starting up the engine, stop the engine and allow more than 15 minutes for the engine to cool down.

If the machine is slanted, reposition the machine to ensure it is level before checking the engine oil level.

Keep in mind that the excess engine oil must not be disposed of on the ground or the road.



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Notes:

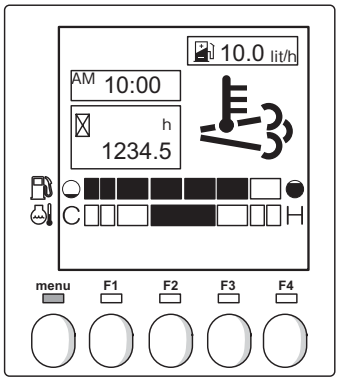
- *White smoke may be emitted from the exhaust pipe when the engine is cold or accelerating. This is due to the emission of water vapor accumulated in the DPF and the white smoke will disappear once the exhaust gas temperature has risen.*
- *Exhaust gas is cleaned by the catalyst provided in the DPF and this produces an exhaust odor different from that of conventional diesel engines.*

■ Outline of DPF regeneration control

Electrical components such as a DPF differential pressure sensor, temperature sensor and intake throttle are mounted on the DPF. To prevent the excessive accumulation of harmful substances, the ECU uses these electrical components to automatically assist DPF regeneration.

■ Automatic regeneration

- Self-regeneration
  During high-speed, high-load operation, harmful substances are continuously burned and removed.
- Assisted regeneration
  When the accumulation of harmful substances in the DPF reaches a certain level, the engine ECU increases the exhaust gas temperature and automatically controls DPF regeneration.
- Reset regeneration
  The exhaust gas temperature is automatically increased by assisted regeneration approximately every 100 hours of operating time and fuel is burned directly in the DPF. This results in burning and removal of harmful substances.
  During reset regeneration, the exhaust gas temperature rises to high levels. During reset regeneration, an exhaust gas temperature icon is displayed on the LCD monitor to give warning of high exhaust gas temperatures. Care must be taken to ensure that there are no flammable objects nearby during reset regeneration.



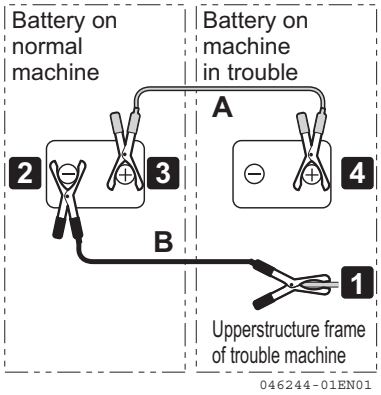
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■ Disconnecting the booster cables

After the engine on the machine in trouble has started, disconnect the booster cables in the reverse order of the connecting procedure.

1. Remove the clip of the booster cable **B** from the upperstructure frame on the machine in trouble.
2. Remove the clip of the booster cable **B** from the negative terminal on the normal machine.
3. Remove the clip of the booster cable **A** from the positive terminal on the normal machine.
4. Remove the clip of the booster cable **A** from the positive terminal on the machine in trouble.



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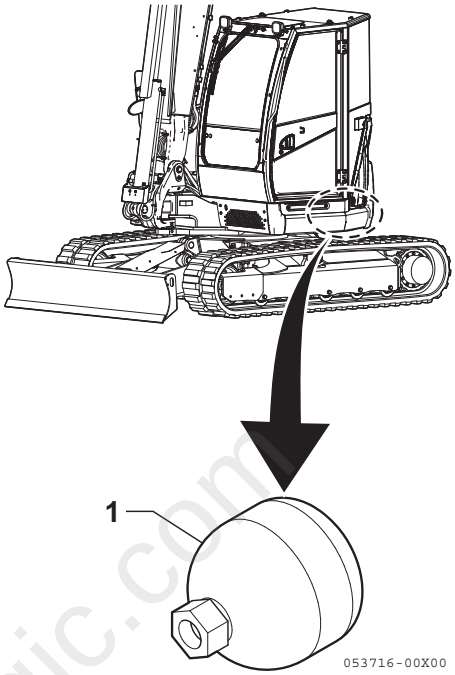
■ Function of accumulator

The accumulator **1** accumulates the pressure of the operating circuit. As the operating circuit is activated for awhile even after stopping the engine, the following can be done:

- By moving the control levers to the direction of lowering the implement, it can go down on the ground with its self-weight.
- The pressure of the hydraulic circuit can be released.

Note:

The function can be used when the starter switch is "ON" and the lock lever is in the "Unlock" position.



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Publication No.: 50940324 (Rev. B) · Language: English · Edition: July 2018